**ELECTROMAGNETIC SPECTRUM LAPBOOK**

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**Include the following**

\_\_\_\_\_Definition of electromagnetic waves and description of what they look like and how they move.

\_\_\_\_\_Which types of rays/waves are on the spectrum?

\_\_\_\_\_ Include a way for students to remember the order of the spectrum.

\_\_\_\_\_In which order do they go (weakest to strongest)?

\_\_\_\_\_Where does the longest and shortest wavelengths fall on the spectrum?

\_\_\_\_\_Where does the lowest and highest frequencies fall on the spectrum?

\_\_\_\_\_ Make some kind of game or flash cards students can use.

\_\_\_\_\_Of the colors (visible light), which has the highest/lowest energy or frequency?

\_\_\_\_\_Give a ‘use’ for each of the rays/waves.

\_\_\_\_\_What is amplitude modulation?

\_\_\_\_\_What is frequency modulation?

\_\_\_\_\_a diagram of the EMS

**\*Include several (at least 5) formats in your lapbook design.**

\_\_\_\_\_ Examples: Accordian, Pop-up, Flash cards, etc…

\_\_\_\_\_ Use ideas from templates found at: <http://www.homeschoolshare.com/lapbook-templates.php>

\_\_\_\_\_ Add color to enhance your ideas/facts.